

Results for the 10'x140' circular tank with ramp:

Circular tank:

Tank Diameter = 140 ft

Tank Wall thickness = 10 in (actual)

Tank Height = 10 ft

$f_y = 60,000$ psi

$f'_c = 4,000$ psi

Horizontal Steel = #5 rebar		
Bar #	Spacing (in)	Distance from finished floor (ft - in)
1	3	0' 3"
2	12	1' 3"
3	12	2' 3"
4	12	3' 3"
5	12	4' 3"
6	10	5' 1"
7	10	5' 11"
8	10	6' 9"
9	10	7' 7"
10	10	8' 5"
11	9	9' 2"
12	7	9' 9"

Vertical Steel = #4 @ 10" O.C.


Dowels "L" bars from tank to footing shall be #4 @ 10" O.C. 26" vertical leg, 8" horizontal leg

In the tank wall, at the corner of the notch for the ramp add:

3-#6 bars x 9'-10" long @ 4" O.C. vertically.

3-#6 bars x 20' long @ 4" O.C. horizontally.

4-#6 bars x 6' long @ 4" O.C. at a 45 degree angle.

 Natural Resources Conservation Services United States Department of Agriculture	____ County, PA ROUND TANK W/RAMP DETAIL Page 6.15	Designed <u>PA NRCS</u> <u>12/01</u>
		Drawn <u>Hartz</u> <u>2/1/08</u>
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